

Converting Colors

CIELCh(79, 16.388, 242.764)

Have a look what the booklet for
CIELCh(79, 16.388, 242.764)
contains.

CIELCh(79, 16.320, 242.422)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(79, 16.320, 242.422)

Conversions

Conversions Part 1

Format	Color
Hex	A4C9DE
RGB	164, 201, 222
RGB Percent	64%, 79%, 87%
CMY	0.3569, 0.2118, 0.1295
CMYK	0.26, 0.09, 0.00, 0.13
HSL	202°, 47%, 76%
HSV	202°, 26%, 87%
XYZ	49.3709, 54.9284, 77.0945
YIQ	192.3310, -28.7930, -1.3130

Conversions

Conversions Part 2

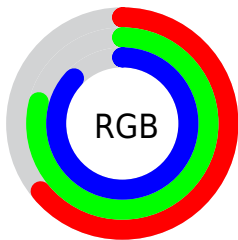
Format	Color
RYB	164, 187, 222
Decimal	10799582
CIELab	79.00, -7.56, -14.47
CIElCh	79, 16.320, 242.422
Yxy	54.9284, 0.2722, 0.3028
Android (android.graphics.Color)	4288989662 (0xFFA4C9DE)
YUV	192.3310, 14.6268, -24.8463
Hunter-Lab	74.1137, -10.7910, -9.7950

Details

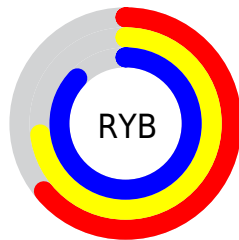
The CIELCh color **79, 16.320, 242.422** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 18.634, 56.951**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 11.803, 198.717**, and **59, 16.321, 242.881** is the 20% darker color. If you saturate the color by 10%, you get **76, 22.037, 244.147**, and if you desaturate by 10%, it is **83, 10.278, 241.029**.

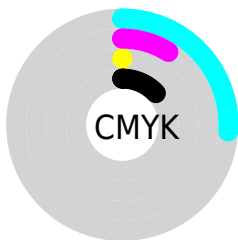
Distribution



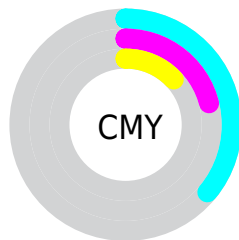
- Red (64%)
- Green (79%)
- Blue (87%)



- Red (64%)
- Yellow (73%)
- Blue (87%)



- Cyan (26%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)





- Cyan (36%)
- Magenta (21%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 16.320, 242.422 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 79, 16.320, 242.422 by changing the saturation by 10% instead.

 79, 16.320,
242.422

 79, 16.320,
242.422


 100, 16.320,
242.422


 69, 16.320,
242.422


 99, 16.320,
242.422

 59, 16.320,
242.422

 49, 16.320,
242.422

 39, 16.320,
242.422

 29, 16.320,
242.422

 19, 16.320,
242.422

 9, 16.320, 242.422

0, 16.320, 242.422

79, 16.320,
242.422

79, 16.320,
242.422

76, 22.037,
244.147

83, 10.278,
241.029

72, 27.374,
246.289

86, 3.973, 239.968

69, 32.286,
248.927

90, 2.536, 58.712

94, 9.200, 58.097

66, 36.759,
252.140

96, 11.028, 81.963

63, 40.826,
255.987

98, 13.980,
100.364

60, 44.586,
260.470

99, 16.700,
108.915

■ 58, 48.201,
265.485

■ 57, 49.638,
267.433

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79, 16.320, 242.422



78, 18.634, 56.951

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 16.320, 242.422



79, 16.320, 292.422



79, 16.320, 62.422



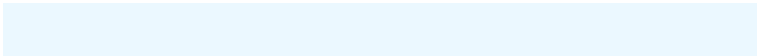
79, 16.320, 112.422

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79, 16.319, 242.417



97, 5.786, 240.140



84, 28.947, 154.245



51, 4.102, 240.289



0, 0.000, 0.000



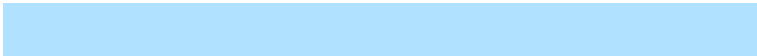
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79, 16.319, 242.417



88, 21.417, 243.255



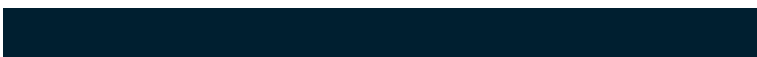
72, 26.968, 286.709



45, 3.694, 240.276



45, 41.279, 266.560



11, 15.278, 256.501

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



74, 29.114, 338.922



81, 38.655, 339.374



85, 25.917, 100.338



44, 6.323, 337.559



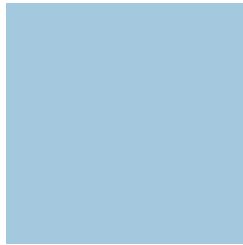
39, 67.438, 349.604



7, 28.291, 345.129

Previews

White Background



This preview shows how the CIE LCh color 79, 16.320, 242.422 looks on a white background.

Color Contrast Check

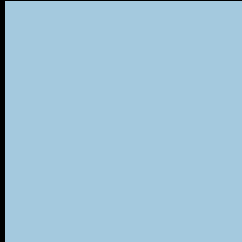
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 79, 16.320, 242.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

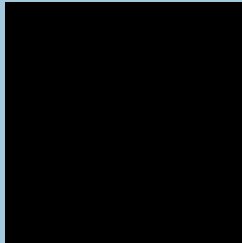
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 16.320, 242.422

Background



This preview shows how black text looks on a background with the CIELCh color 79, 16.320, 242.422.



This preview shows how white text looks on a background with the CIELCh color 79, 16.320, 242.422.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79, 16.320, 242.422

Protanopia

79, 12.305, 288.040

Deuteranopia

79, 18.596, 302.529



Tritanopia
79, 15.331, 232.689

Trichromacy



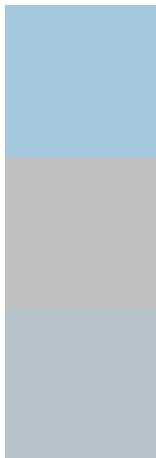
Original Color
79, 16.320, 242.422

Protanomaly
79, 12.700, 267.350

Deuteranomaly
79, 15.637, 282.777

Tritanomaly
79, 15.592, 234.452

Monochromacy



Original Color
79, 16.320, 242.422

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 6.230, 242.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 16.320, 242.422 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(164, 201, 222)` looks like.

```
.text, #text, p{  
    color:rgb(164, 201, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(164, 201, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 201, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 16.320, 242.422 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 201, 222) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(164, 201, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(164, 201, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 201, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 201, 222); box-shadow:4px 4px 4px 4px rgb(164, 201, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 16.320, 242.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 201, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(164,  
201, 222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor